THE CONDOR.

- CONTINUATION OF THE -

BULLETIN OF THE COOPER ORNITHOLOGICAL CLUB OF CALIFORNIA.

- A BI-MONTHLY MAGAZINE OF -

PACIFIC COAST ORNITHOLOGY.

Volume Three, 1901.

PURITSHED BY



SANTA CLARA, CALIFORNIA.

ACANTHIS linaria, 21.

Accipiter atricapillus striatulus, 122, 161.

cooperi, 45, 122, 161.

velox, 45, 70, 122, 161. Actitis macularia, 31, 121.

Ægialitis montana, 121.

nivosa, 17.

vocifera, 31, 45, 105, 121.

Aeronautes melanoleucus, 39, 123, 164.

Agelaius gubernator californicus, 16, 124, 168. phœniceus sonoriensis, 45.

tricolor, 124, 168. Aix sponsa, 95, 121.

Ammodramus sandwichensis, 20, 21.

alaudinus, 23. 46, 124. anthinus, 85. bryanti, 21.

xanthophrys, 21, 85.

savannarum perpallidus, 124.

Amphispiza belli, 125.

nevadensis, 46.

Ampelis cedrorum, 125, 146, 175.

Anas boschas, 121.

americana, 121.

Aui, Grove-billed, 94.

Anorthura alascensis. 20.

hiemalis pacifica, 1, 47, 91, 182.

Anthony, A. W., the Guadalupe wren, 73.

Anthus pensilvanicus, 69, 70, 126.

Aphelocoma californica, 32, 87, 124, 168, 185. woodhousei, 45.

Aquila chrysætos, 49, 122, 161.

Archibuteo ferrugineus, 122.

lagopus sancti-johannis, 23.

Ardea herodias, 45, 114, 121.

virescens anthonyi, 121.

Ardetta exilis, 121.

Arenaria interpres, 20.

melanocephala, 23.

Asio accipitrinus, 72, 122.

wilsonianus, 122.

Astragalinus lawrencei, 124, 170.

psaltria, 124, 170.

arizonæ, 46.

tristris salicamans, 124, 170.

Atkinson, W. L., nesting habits of the California shrike, 9; notes on the dwarf hermit thrush and other notes, 17.

Auklet, Crested, 19.

Least, 19.

Paroquet, 19.

Auriparus flaviceps, 46, 71.

Avocet, American, 45, 121.

Aythya vallisneria, 121.

affinis, 121.

BALDPATE, 121.

Barlow, C., some characteristics of the mountain chickadee, III; vireo traits, II9; Falco columbarius at Santa Clara, Cal., 133; a list of the land birds of the Placerville-Lake Tahoe stage road, 151-

Barnhart, F. S., evolution in the breeding habits of the fulvous tree duck, 67.

Beck, R. H., a season with the golden eagles of Santa Clara County, Cal., 59.

Belding, L., chipmunks, 3; May in the high Sierras, 31; parasites in birds, 104; an additional specimen of nyctale from Lake Tahoe, 114.

Bird Protection Committee for 1901, 58.

Bittern, American, 121, 187.

Least, 121.

Blackbird, Yellow-headed, 124, 168-Bicolored, 124, 168. Tricolored, 124, 168.

Brewer, 124, 168. Bluebird, Arctic, 31.

Mountain, 103, 127, 184. Western, 71, 127, 184.

Bonasa umbellus sabini, 47, 91.

Botaurus lentiginosus, 121, 187

Bowles, C. W., communication; a boon for oologists, 106.

Bowles, J. H., bird notes from Tacoma gulches, 1; mice as enemies of ground-nesting birds, 47.

Brachyramphus marmoratus, 22.

Brant, Black, 47.

Branta canadensis, 121.

nigricans, 47.

Breninger, G. F., a list of birds observed on the Pima Indian Reservation Arizona, 44; the painted redstart, 147.

Bryan, M., a study of the birds of Santiago canyon, 81, 103.

Bubo virginianus, 122,

saturatus, 162. subarcticus, 96.

Buffle-head, 121.

Bunting, Lazuli, 125, 174.

Burnett, W. L., communication; use of collodion to prevent arsenical poisoning, 106; Alma thrush in Colorado, 114.

Bush-tit, California, 126, 183.

Buteo borealis calurus, 15, 43, 122, 161. lineatus elegans, 104, 122.

swainsoni, 122.

CALCARIUS lapponicus alascensis, 20,

Calypte anna, 101, 105, 123, 164.

Canvas-back, 121.

Carpenter, N., early nesting of the red-bellied

hawk, 104.

Carpodacus amplus, 13.

cassini, 13, 31, 46, 66, 169.

clementis, 13.

mcgregori, 13.

mexicanus frontalis, 124, 169.

obscurus, 13, 46, 70.

purpureus californicus, 13, 37, 124, 169. ruberrimus, 13.

Carthartes aura, 45, 122, 161.

Catherpes mexicanus conspersus, 46, 126. punctulatus, 182.

Ceophlœus pileatus abieticola, 163.

Certhia familiaris occidentalis, 185.

zelotes, 182. Ceryle alcyon, 1, 45, 122, 162.

Chætura vauxi, 45, 123.

Chamæa fasciata, 126.

henshawi, 183.

Chambers, W. L., curious nesting of Anna hummingbird, 105.

Chamberlain, C., some architectural traits of the western gnatcatcher, 33.

Chapman, F. M., notice of his 'a new race of the great blue heron with remarks on the status and range of Ardea wardi,' 84

Charitonetta albeola, 121.

Chat, long-tailed, 127. Chen hyperborea, 126.

rossi, 15.

Chickadee, Long-tailed, 22, Mountain, 111, 183,

Chordeiles acutipennis texensis, 45, 123. virginianus, 163.

Chondestes grammacus strigatus, 31, 46, 124,

Cinclus mexicanus, 22, 23, 182.

Circus hudsonius, 45, 122.

Cistothorus palustris paludicola, 126,

Clangula clangula americana, 47, 121.

Clark, F. C., a word in behalf of the boy, 36; a hawking expedition, 43; western evening grosbeak again, 104.

Clivicola riparia, 125.

Coccothraustes vespertinus montanus, 4, 16, 17, 18, 37, 47, 48, 71, 104, 105, 124, 169, 185.

Coccyzus americanus occidentalis, 122.

Cohen, D. A., eggs from American barn owl in captivity, 114; notes from Alameda, Cal., 185.

Colaptes auratus, 66.

cafer collaris, 31, 70, 123, 163.

saturatior, 91.

chrysoides, 45.

Columba fasciata, 91, 122, 160.

Columbigallina passerina pallescens, 45.

Colymbus auritus, 100, 120.

Condor, California, 48, 49.

Contopus borealis, 45, 91, 123, 165. richardsoni, 45, 124, 166.

Cooper Ornithological Club, Directory of Members of the, 193.

Coot, American, 18, 45, 121.

Cormorant, Farallone. 120.

Red-faced, 19.

Violet-green, 22.

Corvus americanus; 124, 168.

caurinus, 23.

corax principalis, 20, 21. sinuatus, 45.

Cowbird, 45.

Crane, Sandhill, 121.

Creeper, California, 185.

Sierra, 182.

Crossbill, Sierra, 170.

Crotophaga sulcirostris, 94.

Crow, American, 168.

Northwest, 23, 124.

Crymophilus fulicarius, 19. Cuckoo, California, 122.

Curlew, Hudsonian, 121.

Cyanocephalus cyanocephalus, 45.

Cyanocitta stelleri, 2.

frontalis, 31, 37, 124, 167.

Cyanospiza amœna, 125, 174.

ciris, 14.

Cyclorrhynchus psittaculus, 19.

DAFILA acuta, 15, 121.

Daggett, F. S., stragglers in southern California, 15; capture of a California condor near Pomona Cal., 48; a suggestion for forming club chapters, 109; summer observations in the southern Sierras, 117; the Monterey and coast hermit thrushes at Pasadena, 131; communication; the decisions in the tenth supplement, 132; recent records of the fulvous tree duck for Southern Cal., 187; reconnoissances: a reply, 180.

Dawson, W. L., a defense of bird horizons, 132.

Dendragapus obscurus fuliginosus, 160.

Dendrocygna fulva, 67, 187.

Dendroica æstiva, 126, 177.

rubiginosa, 15.

auduboni, 4, 46, 47, 126, 177

coronata, 46, 126.

graciæ, 38.

maculosa, 145. nigrescens, 46, 126, 177.

nigrescens, 40, 120, 177.

occidentalis, 46, 126, 179.

townsendi, 47, 126, 179.

Dipper, American, 22, 23, 182. Dove, Mexican Ground, 45. Mourning, 45, 122, 160. White-winged, 100.

Dryobates nuttalli, 17, 122.

pubescens gairdneri, 122, 162.
scalaris bairdi, 45, 100.
lucasanus, 100.

villosus hyloscopus, 17, 122, 162.

Duck, Fulvous Tree, 67, 187.
Lesser Scaup, 121.
Ruddy, 121.
Wood, 95, 121.

EAGLE, Bald, 17, 81, 100.
Golden, 59, 122, 161.
Northern Bald, 21.
Editorial notes, 24, 56, 86, 108, 134, 192.
Elanus leucurus, 122.

Embody, G. C., notice of his 'Birds of Madison

County, N. Y.', 190.

Emerson, W. O., western evening grosbeak at Haywards, Cal., 18; capture of a Floresi humming bird at Haywards, Cal., 68; breeding of rufous hummingbird in California, 109; nesting of spatula clypeata, 116; Mniotita varia recorded again in California, 145; the American redstart in Oregon, 145.

Empidonax difficilis, 45, 124, 167. fulvifrons pygmæus, 38. hammondi, 45, 124, 167. trailli, 31. wrighti, 6, 124, 167.

Erismatura jamaicensis, 121. rubida, 15.

FALCO columbarius, 45.

mexicanus, 122.
peregrinus anatum, 141.
sparverius deserticolus, 45, 122, 129.
Falcon, Prairie, 122.

Finch; California Purple, 37, 124, 169. Cassin Purple, 31, 46, 66, 169. House, 46, 70, 124, 169.

Finley, W. L., catching birds with a camera, 137.

Fisher, W. K., shrike notes, 48; song of Zonotrichia coronata, 89; breeding of Hesperocichia nævia in California, 91.

ocichia nævia in California, 91
Flicker, 66.
Gilded, 45.
Red-shafted, 31, 70, 123, 163.
Flycatcher, Ash-throated, 123, 164.
Buff-breasted, 38.
Giraud, 29.
Hammond, 45, 124, 167.

Olive-sided, 45, 123, 165.
Traill, 31.
Vermillion, 45.
Western, 45, 124, 167.
Wright, 6, 124, 167.
Fratercula corniculata, 19.
Fulica americana, 45, 121.
Fulmar, Pacific, 21.
Fulmaris glacialis glupischa, 21.

GALLINAGO delicata, 121.

Gallinula galeata, 45.
Gallinule, Florida, 45.
Gavia imber, 105.
lumme, 22.
Geococcyx californianus, 122.
Geothlypis tolmiei, 126, 181.
trichas arizela, 65.
occidentalis, 46, 126, 181.
scirpicola, 65.
sinuosa, 65.

Geospiza fortis platyrhyncha, 75. heliobates, 96. scandens rothschildi, 75. Glaucidium gnoma, 162.

Gnateatcher, Blue-gray, 82.
Western, 33, 46, 127, 183.
Goldeneye, American, 47.
Goldfinch, Arizona, 46, 185.

Arkansas, 124, 170. Lawrence, 124, 170. Willow, 18, 124, 170.

Goose, Lesser Snow, 121. Ross Snow, 15. Goshawk, Western, 122, 161.

Grebe, Horned, 100, 120.
Pied-billed, 120.
Grinnell, J., two races of the red-breasted sapsucker, 12; the Alaskan yellow warbler

sucker, 12; the Alaskan yellow warbler in California, 15; records of Alaskan birds in the collection of the Leland Stanford Junior University, 19; note, 44; the Sitka kinglet in California, 48; the Pacific coast yellowthroats, 65; midwinter birds at Barstow, 70; communication; the birds of California, 83; the proper name for the Kadiak savanna sparrow, 85; the Santa Cruz song sparrow, with notes on the salt marsh song sparrow, 92; breeding range of the Allen and rufous hummingbirds, 127; the status of the cedar waxwing in California, 146; the California least vireo, 187.

Grosbeak, Black-headed, 41, 44, 81, 125, 173.
California Pine, 169.
Kadiak Pine, 2t.
Western Evening, 4, 16, 18, 37, 47, 48,

71, 104, 105, 124, 169, 185. Western Blue, 46.

Grouse, Ruffed, 47.

Sooty, 118, 160.

Grus mexicana, 121.

Guiraca cærulea lazula, 46.

Gull. California, 120.

Glaucous-winged, 19, 22.

Gymnogyps californianus, 49, 122, 161.

HÆMATOPUS bachmani, 23. Haliæetus leucocephalus, 100.

alascanus, 21.

Harelda hyemalis, 15, 19. Harporhynchus bendirei, 46, 100.

crissalis, 46.

curvirostris palmeri, 46. lecontel, 46.

redivivus, 69, 72, 126.

Hawk, American Rough-legged, 23.

Cooper, 45, 122, 161.

Desert Sparrow 45, 122, 129, 162.

Duck, 141.

Marsh, 45, 122.

Pigeon, 45.

Red-bellied, 104, 122.

Sharp-shinned, 45, 70, 122, 161.

Swainson, 122.

Hedymeles capitalis, 41.

Heller, E. notes on some little known birds of Southern California, 100; see also Snod-

grass and Heller.

Heller and Snodgrass, R. E., descriptions of two new species and three new subspecies of birds from the Eastern Pacific, 74.

Helminthophila celata, 17, 145.

lutescens, 2, 46, 72, 126, 177.

rubricapilla gutturalis, 126, 175.

Heron, Anthony Green, 121.

Black-crowned Night, 45, 121, 185, 187.

Great Blue, 45, 114, 121.

Hesperocichla nævia, 69, 91, 127, 184.

Heteractitis incanus, 20, 23.

Hirundo erythrogaster, 23, 31, 46, 125, 174.

Hottel, L., a visit to the herons, 116.

Hummingbird, Allen, 82, 127.

Anna, 81, 101, 105, 123, 127, 164.

Black-chinned, 45, 123, 127, 164.

Broad-tailed, 105.

Calliope, 164.

Costa, 127.

Floresi, 68.

Rufous, 1, 45, 82, 109, 123, 127. 164:

Hydrochelidon nigra surinamensis, 100.

Hylocichla aonalaschkæ, 17, 22, 91, 127, 131,

sequoiensis, 184. slevini, 131. verecunda, 131.

fuscescens salicicola, 46. ustulata, 91, 184.

ICTERIA virens longicauda, 126.

Icterus cucullatus nelsoni, 98.

bullocki, 98, 124, 168.

parisorum, 94.

Illingworth, J. F., the Bullock and Arizona hooded orioles, 98.

Jay, Blue-fronted, 31, 37, 124, 167.

California, 32. 37, 124, 168, 185.

Pinon, 45.

Steller, 2.

Woodhouse, 45.

Johnson, A. W., breeding of the Western robin in Lake Co., Cal., 105,

Jones, L. and Dawson, W. L., notice of their 'summer reconnoissance in the west,' 53,

Junco hyemalis, 17.

oregonus, 125.

pinosus, 125.

thurberi, 125, 172.

Junco, Oregon, 125.

Point Pinos, 125. Slate-colored, 17.

Thurber, 119, 125, 172.

Judd, S. D., notice of his 'the relation of sparrows to agriculture, 190. .

Judson, W. B., getting a late supper, 186.

KELLOGG, V. L., communication; biting bird lice (Mallophaga) of Pacific Coast birds,

Killdeer, 31, 45, 105, 121.

Kingbird, Arkansas, 45, 81, 118, 123, 164.

Cassin, 45, 123.

Kingfisher, Belted, 1, 45, 122, 162.

Kinglet, Golden-crowned, 71.

Ruby-crowned, 46, 71, 126, 183.

Sitka, 48.

Western Golden-crowned, 47, 183.

Kite, White-tailed, 122.

Kittiwake Pacific 187,

Red-legged, 19.

LAGOPUS lagopus, 21.

rupestris, 21. Lanius borealis invictus, 22.

ludovicianus excubitorides, 46, 49.

gambeli 9, 48, 125.

Lapham, A. L., obituary of, 57.

Lark, Mexican Horned, 117.

Pallid Horned, 167.

Ruddy Horned, 72, 167. Streaked Horned, 124.

Larus californicus, 120. glaucescens, 19, 22.

Law, J. E., notes on Say's phoebe, 186.

Leland, H. J., notes on the nesting of the Western yellow-throat, 131.

Leucosticte kadiaka, 8.

tephrocotis, 170.

tephrocotis griseonucha, 20.

kadiaka, 21.

Leucosticte, Aleutian, 20.

Gray-crowned, 118, 170.

Kadiak, 21. Littlejohn, C., two albinos from San Mateo

Co., Cal., 16.

Longspur, Alaskan, 20.

Loon, Red-throated, 22.

Lophortyx californicus, 15, 121.

vallicolus, 16, 30, 104, 160.

gambeli, 45, 100.

Loxia curvirostra bendirei, 170.

Lunda cirrhata, 19, 22.

Lusk, R. D., in the summer home of the buffbreasted flycatcher, 38.

MAGPIE, American, 21, 167. Yellow-billed, 124, 167.

Mailliard, J., two interesting stragglers for Marin Co., Cal., 16; some winter notes from Marin County, Cal., 71; song of Zonotrichia coronata, 78.

Mailliard, J. and J. W., birds recorded at Paicines, San Benito, Co., California, 120.

Mallard, 121.

Martin, Western, 125, 174.

McCormick, A. I., two amusing incidents, 101. McGregor, R. C., new Alaskan birds, 8; dicromatism in the genus Carpodacus, 13; note on the name of the black-headed grosbeak, 41; evening grosbeak near Palo Alto, 41; anent possessive bird names, 51; notice of his 'list of the land birds of Santa Cruz County, California,' 85; notes on the loon, evening grosbeak, and broad-tailed hummingbird, 105.

Meadowlark, Western, 31, 46, 70, 124, 168. Megascops asio bendirei, 101, 122.

Melanerpes formicivorus bairdi, 15, 47, 123,

torquatus, 31, 45, 123, 141, 163. uropygialis, 45.

Melopelia leucoptera, 100.

Melospiza lincolni, 125, 172. melodia cinerea, 20.

cooperi, 92.

fallax, 46.

guttata, 2. heermanni, 92, 125. insignis, 22. montana, 172. morphna, 91.

pusillula, 92, 185.

samuelis, 92. santæcrucis, 92.

sanaka, 8. Merganser americanus, 22.

Merganser, American, 22.

Merula grayi, 93.

migratoria propinqua, 31, 71, 105, 127,

Micranous diamesus, 76.

Mimus polyglottos, 46, 126.

Mniotilta varia, 145.

Mockingbird, 46, 81, 126.

Molothrus ater, 45.

Moody, Mrs. C. A., some winter bird notes, 130.

Motmot, 29.

Murre, California, 17, 22.

Pallas, 19.

Murrelet, Marbled, 22.

Myadestes townsendi, 66, 71, 184. Myiarchus cinerascens, 123, 164.

Myiozetetes texensis, 29,

NESOMIMUS melanotis dierythrus, 74.

Nettion carolinensis, 121.

Nighthawk, Texan, 45.

Northern Division, Official Minutes of 87, 110, 136, 101.

Nucifraga columbiana, 16, 168.

Numenius hudsonius, 121.

Nutcracker, Clarke, 16, 118, 168.

Nuthatch, Pygmy, 183. Red-breasted, 47, 126, 183.

Slender-billed, 70, 126, 182.

Nyctala acadica, 162.

Nyctea nyctea, 141, 185.

Nycticorax nycticorax nævius, 45, 121, 185, 187.

OLD QUAW, 19.

Oreortyx pictus plumiferus, 31, 158.

Oreospiza chlorura, 46, 173.

Oriole, Arizona Hooded, 81, 98.

Bullock, 81; 98, 124, 168.

Scott, 94.

Osgood. W. H., questions of the day, 50; notice, of his 'natural history of the Queen Charlotte Islands, British Columbia' and 'natural history of the Cook Inlet region, Alaska,' 190.

Osprey, American, 122, 162.

Otocoris alpestris chrysolæma, 117, 118.
leucolæma, 167.
rubea, 72. 167.
strigata, 124.
Owl, American Barn, 114, 122, 185.
American Long-eared, 122.
Burrowing, 45, 122, 162.
California Screech, 101, 122.
Dusky Horned, 162.
Pygmy, 162.
Saw-whet, 162.

Snowy, 141, 185. Western Horned, 96, 121. Oystercatcher, Black, 23.

Short-eared, 72, 122.

PAIMER, T. S. and Olds, H. W., notice of their 'laws regulating the transportation and sale of game', 52; notice of their 'digest of game laws for 1901', 190.

Pandion haliaetus carolinensis, 122, 162.

Partridge, California, 121. Gambel, 45, 100. Valley, 32, 104, 118.

Parus atricapillus septentrionalis, 22. gambeli, 111, 183. inornatus, 126, 183. rufescens, 91.

Passer domesticus, 127, 184. Passerculus anthinus, 85. alaudinus, 85.

Passerella iliaca, 72.

annectens, 23. insularis, 22. megarhyncha, 71, 172. schistacea, 66.

unalaschcensis, 21, 172.

Passerina nivalis, 20, 21.

townsendi, 20. Pelican, American White, 120.

Pelican, American White, 120 Brown, 104.

Pelecanus californicus, 104. erythrorhynchos, 120. Perisoreus obscurus, 91.

Petrochelidon lunifrons, 46, 125, 174. Pewee, Western Wood, 45, 124, 166. Phainopepla nitens, 46, 125.

Phainopepla, 46, 81, 125.

Phalacrocorax dilophus albociliatus, 120. pelagicus robustus, 22. urile, 19.

Phalænoptilus nuttalli californicus, 123, 163. Phalarope, Northern, 19, 22, 121.

> Red, 19. Wilson, 100.

Phalaropus lobatus, 19, 22, 121. Pharomacrus mocinno, 29. Phœbe, 66.

Black, 45, 123, 164, 186. Say, 45, 70, 123, 186.

Pica nuttalli, 124, 167. pica hudsonica, 21, 167.

Picoides arcticus, 163.

Pigeon, Band-tailed, 104, 122, 160. Pinicola enucleator californica, 169.

flammula, 21. Pintail, 121. Pipilo aberti, 46.

consobrinus, 73. fuscus crissalis, 125. 173. maculatus megalonyx, 173. maculatus oregonus, 125.

Pipit, American, 69, 70, 126. Piranga ludoviciana, 125, 174. rubra cooperi, 46.

Plover, Mountain, 121.

Snowy, 17, 143.
Podilymbus podiceps, 120.
Polioptila cærule# obscura, 33, 46, 127, 183.
Pocectes gramineus confinis, 46, 124.

Poorwill, Dusky, 123, 163.
Porzana carolina, 185.

jamaicensis, 185. noveboracensis, 185. Progne subis hesperia, 125, 174.

Psaltriparus minimus californicus, 126, 183. Pseudogryphus californianus, 48, 49.

Ptarmigan, Rock, 21. Willow, 21

Puffin, Horned, 79. Tufted, 22, 79.

Pyrocephalus rubineus mexicanus, 45.

QUAII, Plumed, 31, 104, 158. Valley, 82, 103 160. Querquedula cyanoptera, 121. Quesal, 29.

RAIL, California Clapper, 185. Virginia, 45, 121.

Rallus obsoletus, 185. virginianus, 45, 121. Raven, American, 45, 117.

Northern, 20, 21.

Recurvirostra americana, 45, 121. Redpoll, 21.

Redstart, American, 145.
Painted, 39, 147.

Redtail, Western, 43, 161. Red-wing, Sonoran, 45.

Regulus calendula, 31, 46, 71, 126, 183. grinnelli, 48.

satrapa olivaceus, 47, 71, 183. Richmond, C. W., on the generic name of the Californian condor, 49.

Rising, H. G., nesting habits of the desert sparrow hawk near Santa Monica, Cal.,

Rissa brevirostris, 19.

tridactyla pollicaris, 187

Roadrunner, 18, 102, 122.

Robin, Gray, 93.

Western, 31, 42, 71, 105, 127, 184.

Rough-leg, Ferruginous, 122.

SALPINCTES obsoletus, 46, 126.

Saltator atriceps, 94.

Saltator, Black-headed, 94.

Sampson, W. B., rare and unusual occurrences at Stockton, Cal, 37; an exceptional set of eggs of the wood duck, 95.

Sandpiper, Aleutian, 21.

Least, 20, 23, 45.

Pribilof, 19.

Sharp-tailed, 20.

Spotted, 31, 121.

Sapsucker, Red-breasted, 163.

Red-naped, 45, 66.

Williamson, 66, 163.

Saxicola cenanthe, 20.

Sayornis nigrican semiatra, 45, 123, 164. phœbe, 66.

saya, 45, 70, 123, 186.

Scolecophagus cyanocephalus, 124, 168.

Selasphorus alleni, 128.

floresii, 68.

platycercus, 104.

rufus, 1, 45, 123, 128, 164.

Setophaga picta, 39, 147.

ruticilla, 145

Sharples, R. P., advice for oologists, 189.

Shoveller, 15, 114, 121.

Shrike, California, 9, 48, 1125.

Northwestern, 22.

White-rumped, 46.

Shufeldt, R. W., notice of his 'Professor Collett on the morphology of the cranium and the auricular openings in the North-European species of the family Strigidæ', 53.

Sialia arctica, 31, 127, 184.

mexicana occidentalis, 71, 127, 184.

Silloway, P. M., Flathead Lake findings, 4, an outing for owls' eggs, 96.

Simorhynchus cristatellus, 19.

pusillus, 19.

Siskin, Pine, 66, 141, 171.

Sitta carolinensis aculeata, 70, 126, 182.

canadensis, 126, 183.

pygmæa, 183.

Skinner, E. H., two years with Mexican birds;

I. Giraud flycatcher, 29; II. in the haunts of the trogon, 77; III. some plantation birds, 93.

Snipe, Wilson, 121.

Snodgrass, R. E., see Heller and Snodgrass.

Snodgrass, R. E. and Heller, E., a new species of Geospiza collected by the Hopkins-Stanford expedition to the Galapagos islands, 96.

Snowflake, 20, 21.

Pribilof, 20.

Solitaire, Townsend, 66, 71, 184.

Southern Division, Official Minutes of the, 58, 88, 135, 191.

Sparrow, Aleutian Song, 20.

Bell, 127, 125.

Bischoff Song, 22.

Brewer, 46, 172.

Bryant Marsh, 17.

Desert Song, 46.

English, 127, 184.

Fox, 72.

Gambel, 46, 70.

Golden-crowned, 21, 22, 44, 78, 79, 103.

125, 185.

Heermann Song, 125.

Intermediate, 125, 171.

Kadiak Fox, 22.

Kadiak Savanna, 21, 85.

Lincoln. 125, 172.

Mountain Song, 172.

Nuttall, 125.

Rusty Song, 2.

Sage, 46.

Salt Marsh Song, 185.

Sandwich, 20, 21.

Santa Cruz, 92.

Slate-colored, 66.

Thick-billed, 71, 172.

Townsend, 103, 172.

Unalaska, 21.

Westesn Chipping, 46, 125, 171.

Western Grasshopper, 124.

Western Lark, 31, 46, 124, 171.

Western Savanna, 23, 46, 124.

Western Vesper, 46, 124.

White-crowned, 31, 46, 171.

White-throated, 47.

Yakutat Fox, 23.

Spatula clypeata, 15, 116, 121.

Speotyto cunicularia hypogæa, 45, 122, 162.

Sphyrapicus ruber, 123, 163.

thyroideus, 66 163.

varius daggetti, 12.

nuchalis, 45, 66.

ruber, 12.

Spinus pinus, 66, 141, 171.

psaltria arizonæ, 185.

Spizella breweri, 46, 172.

socialis arizonæ, 46, 125, 171.

Steganopus tricolor, 100.

Stelgidopteryx serripennis, 1, 46, 125.

Stellula calliope, 164.

Stephens, F., Scott oriole at San Diego, Cal., 94.

Sterna forsteri, 100.

Strix pratincola, 122, 185.

Sturnella magna neglecta, 31, 46, 70, 124, 168.

Sula nesoites, 75.

Swallow, Bank, 125.

Barn, 23, 31, 46, 125, 174.

Cliff, 46, 82, 125; 174.

Rough-winged, 1, 46, 125.

Tree, 125, 174.

Violet-green, 81, 125, 174.

Swarth, H. S., notes from Los Angeles, Co., Cal., 17; some rare birds in Los Angeles Co., Cal., 66; warbler notes from Los

Angeles, Cal., 145.

Swift, Vaux, 45, 123.

White-throated, 39, 123, 164.

Synallaxsis erythrothorax, 94;

TACHYCINETA bicolor, 125, 174.

thalassina, 125, 174.

Tanager, Cooper, 46.

Louisiana, 81, 125, 174.

Tattler, Wandering, 20, 23.

Teal, Green-winged, 121.

Cinnamon, 121.

Tern, Forster, 100.

Black, 100.

Thompson, C. S., further tape worm observations, 15; notes from San Luis Obispo Co., Cal., 17; two additions to the land birds of Santa Cruz County and additional notes on two other species, 141; notes on San Luis Obispo County birds, 187.

Thrasher, Bendire, 46, 100.

California, 69, 72, 126.

Crissal, 46.

Leconte, 46.

Palmer, 46.

Pasadena, 81:

Thrush, Alma, 114.

Big Tree, 184.

Coast Hermit, 131.

Dwarf Hermit, 17, 22, 127, 131, 184.

Hermit, 103.

Monterey, 131.

Russet-backed, 184.

Varied, 69, 91, 127, 184.

Willow, 46.

Thryomanes bewicki drymœcus, 70.

leucogaster, 46. spilurus, 2, 126, 182.

Thryothorus brevicaudus, 73.

Titmouse, Plain, 81, 103, 126, 183. Totanus flavipes, 100.

melanoleucus, 29, 45, 100, 121.

Towhee, Abert, 46.

California, 81, 125, 173.

Green-tailed, 46, 173.

Oregon, 125.

Spurred, 82, 173.

Tringa acuminata, 20.

couesi, 21.

minutilla, 20, 23, 45.

ptilocnemis, 19.

Trochilus alexandri, 45, 123, 164.

Trogon caligatus, 77.

Troglodytes aedon aztecus, 46.

parkmani, 126, 182.

intermedius, 94.

Turnstone, 20.

Black, 23.

Tyrannus verticalis, 45, 123, 164.

vociferans, 45, 123.

URIA lomvia arra, 19.

troile californica, 17, 22.

VERDIN, 46, 71.

Vestiaria coccinea, 14.

Vireo gilvus, 125, 175.

huttoni, 125, 175.

stephensi, 38.

pusillus albatus, 187.

solitarius cassini, 119, 125, 175. Vireo, California Least, 187.

Cassin, 119, 125, 175.

Hutton, 125, 175.

Stephens, 38.

Warbling, 125, 175.

Vultur californianus, 49.

Vulture, California, 118, 122, 161.

vuiture, Camorina, 110, 122, 101.

Turkey, 45, 81, 122, 161.

WARBLER, Alaskan Yellow, 15.

Audubon, 4, 46, 47; 103, 126, 177.

Black and White, 145.

Black-throated Gray, 46, 126, 177.

Black-throated Gray, 40, 120, 17

Calaveras, 126, 175.

Hermit, 46, 126, 179.

Lutescent, 2, 46, 72, 126, 177.

Macgillivray, 126, 181.

Magnolia, 145.

Myrtle, 46, 126.

Orange-crowned, 145.

Pileolated, 46, 126, 182.

Townsend, 47, 126, 179.

Yellow, 126, 177. Ward, H. B., parasites in birds, 52. Waxwing, Cedar, 125, 146, 175.

Wheatear, 20.

Willard, J. M., notes from Oakland and vicinity, 47; capture of another white-throated sparrow, 47; some observations on young snowy ployer, 143.

Williams, J. J., a trait of the western robin, 42; bird notes from Placer County, Cal., 69; individual aid in the welfare of the club,

Wilsonia pusilla pileolata, 46, 126, 182. Woodpecker, Alpine Three-toed, 163.

Cabanis, 17, 122, 162. California, 47, 123, 163. Gairdner, 122, 162. Gila, 45. Lewis, 31, 45, 123, 141, 163. Northern Pileated, 163. Nuttall, 122. Red-breasted, 123. St. Lucas, 100. Texan, 45, 100. White-headed, 162.

Wren, Alaskan, 20. Baird, 46. Cactus, 117. Canyon, 46, 82. Central American House, 94.

Dotted Canyon, 117, 126, 182. Guadalupe, 73. Parkman, 126, 182. Rock, 46, 126. Ruby-crowned, 31. Tule, 126. Vigors, 2, 70, 126, 182. Western House, 46. Western Winter, 1, 47, 48, 182. Wren-tit, 126.

XANTHOCEPHALUS xanthocephalus, 124, 168. Xenopicus albolaryatus, 162. YELLOW-LEGS, 100. Greater, 20, 45, 100, 121.

Yellowthroat, Salt Marsh, 65. Tule, 65. Western, 46, 126, 131, 181.

Pallid, 183.

ZAMELODIA melanocephala, 41, 125, 173. capitalis, 41, 44. microrhyncha, 41, 44. Zonotrichia albicollis, 48, 72. coronata, 21, 22, 44, 78, 79, 125, 185. leucophrys, 31, 46, 171. gambeli, 46, 70, 125, 171.

nuttali, 125.

Zenaidura macroura, 15, 45. 122, 160.

